

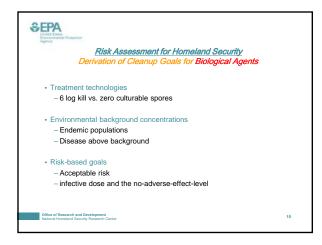
Risk Assessment for Homeland Security
Clean-up Decision Making Challenges for Biological Agents

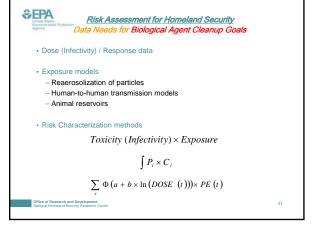
1. Limited data available on which to base necessary immediate decisions Unique agents
Unique agents
Unique exposure durations
Unique exposure situations/sites

2. No consensus-based microbial risk assessment methodology
Little infectivity/dose response data for agents of interest
Few transmission models

2. Communication and Transfer
Clear and understandable guidance









## Risk Management Considerations Impacting Cleanup

- Risk reduction
- Regulatory mandates
- Long-term effectiveness
- Reduction of hazard through treatmentShort-term effectiveness
- Implementability
- Cost
- State acceptance
- Community acceptance

Office of Research and Development National Homeland Security Research Center

12



## Risk Assessment for Homeland Security Challenges for Microbial Risk Assessment

- Will our methods be similar to those we apply to chemical risk?
- Can we define a population 'No-Adverse-Effect-Level' is the only good bug a dead bug?
- Should we pursue a risk communication effort to help with public understanding/acceptance of a NOAEL?
- How clean is clean?